

In the Drawings:

Please replace the drawings of Figures 1A-E (5 sheet) with the corrected drawings of Figures 1A-E submitted herewith (5 sheets).

Please replace the drawings of Figures 25D-I (3 sheets) with the corrected drawings of Figures 25D-I submitted herewith (3 sheets).

1/47

1 GTCCTCACCATGCACTCGCTGGCTTCTGTCGGCTTCTGCTCTGCTCGCCGGCTG
 60
 1 CAGGAAGGTGCTACGTGAGCCACCCGAAAGAGACACCCGACACAAGAGACGGAC
 M H S L G F F S V A C S L L A A A -

 61 CGCTGGCTCCGGGTCCCTCGGGAGGGCCGGGGCCGGGGCCGGCTTCGAGTCGGACTCG
 120
 61 GCGACGAGGGCCAGGGAGGGCTCCGGCTGGGGGGGGGGGGGGGGGGGGGGGGGG
 L L P R E A P A A F A A F E S G L D -

 121 ACCTCTGGAGGGGAGGCCGACGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
 180
 121 TGGAGAGCCCTGGCCCTCGGGCTGGGGCTGGGGCTGGGGGGGGGGGGGGGGGGGG
 L S D A E P D A G E A T A Y A S K D L E -

 181 AGGAGCAGTTACGGTCTGTCCAGTGTAGATGAACTCATGACTGTACTCTACCCAGAAT
 240
 181 TCCTCTGTCATGCCAGACACAGGTCACTTACTTGTAGTACTGACATGAGATGGGTCTTA
 E Q L R S V S V D E L M T V L Y P E Y -

 241 ATTGGAAAATGTACAAGTGTCAAGCTAAGGAAAGGGGGCTGGCAACATAACAGAGAACAGG
 300
 241 TAACCTTTACATGTTACAGTCGATTCCCTCGACCGGTGTATTGTCTCTGTCC
 W K M Y K C Q L R K G W Q H N R E Q A -

 CCAACCTCAACTCAAGGACAGAAGGAACTATAAAATTGCTGCAGCACATTATAATACAG

FIG. 1A

301 GGTGGAGTTGAGTTCTGTCTTGATATTAAACGACGTCGTGTAATATTATGGTC
 N L N S R T E E T I K F A A H Y N T E -
 +-----+
 361 AGATCTTGAAAGTATTGATAATGAGTGGAGAAAAGACTCAATGCATGCCACGGAGGTGT
 TCTAGAACTTTCTATACTATTAACCTACCTCTTCTGAGTTACGTTACGGTGCCTCCACAC
 I L K S I D N E W R K T Q C M P R E V C -
 +-----+
 421 GTATAGATGTTGGAGGAGTTGGAGCTGGAGCAAAACACCTTCTTAAACCTCCATGTG
 CATACTACACCCCTTCCCTCAAAACCTCAGCGCTGTGTTGGAAATTTGGAGGTACAC
 I D V G K E F G V A T N T F K P P C V -
 +-----+
 481 TGTCGGTCTACAGATGTTGGGGGTGCTGCAATAGTGAGGGGTGCAGTGCATGAAACACCA
 ACAGGCAGATGTTCTACACCCCCAACGACGTTATCAGCTCCGACCGTACGTACTTGTGGT
 S V Y R C G C C N S E G L Q C M N T S -
 +-----+
 541 GCACGGCTACCTCAGCAAGACGTTATTGAAATTACAGTGCCTCTCTCAAGGGCCCA
 CGTGCCTCGATGGAGGTCTGCAATAACTTAACTTAATGTCACGGAGAGAGAGTTCCGGGGT
 T S Y L S K T L F E I T V P L S Q G P K -
 +-----+
 601 AACCAAGTAAACAAATCAGTTGCCAATCACACTTCCGGATGCCATGTCCTAAACTGGATG
 TTGGTCATTGTTAGTCAAAACGGTTAGTGTGAAGGACGGCTACGTTGACGCTAC
 P V T I S F A N H T S C R C M S K L D V -
 +-----+
 660

FIG 1B

3/47

661 TTTACAGACAAGTTCATTCATTAGACCTTCCATTAACTGGCCAGCAACACTACAGTGT 720
 AAATGCTGTTCAAGGTAAGGTAATAATCTGCAAGGGACGGTCTGGTGTGATGGTGTACAG
 Y R Q V H S I I R S L P A T L P Q C Q -

721 AGGCAGGCCACAAGACCTGGCCACCAATTACATGTGGAATAATCACATCTGCAGATGCC 780
 TCCCGCTTGTGTTCTGGACGGGGTGGTTAATGTACACCTTATTAGTGTAGACCGTCTACGG
 A A N K T C P T N Y M W N H I C R C L -

781 TGGCTCAGGAAGATTTATGTTTCTGGATGCTGGAGATGACTCAAACAGATGGATTCC 840
 ACCGAGTCCTTCTAAATAACAAAAGGAGCCCTACGGACCTCTACTGAGTTGTCTACCTAAGG
 A Q E D F M F S S D A G D S T D G F H -

841 ATGACATCTGTTGGACCAAAACAAAGGAGCTGGATGAAGAGACCTGTCACTGTCTGGAG 900
 TACTGTAGACACCTGGTTCTGGACCTACTTCTCTGGACAGTCACACAGACGTCTC
 D I C G P N K E L D E E T C Q C V C R A -

901 CGGGCTTGGCTTGGCCAGCTGTGGACCCACAAAGAACTAGACAGAAACTCATGCCAGT 960
 GCCCCGAAGCCGGACACCTGGTCTGGGTCTTGATCTGTCTTGACTACGGTCA
 G L R P A S C G P H K E L D R N S C Q C -

961 GTGTCTGTAAAAACAAACTCTTCCAGCCAAATGTGGGGCAACCGAGAATTGTGAAAG 1020
 CACAGACATTTGTGTTGAGAAGGGGTGGTTACACCCCGGGTAACTACTTT

FIG. 1C

4/47

V C K N K L F P S Q C G A N R E F D E N -
 ACACATGCCAGTGTATGTAAGAACCTGCCAGAAATCAACCCCTAAATCCTGGAA
 1021 ---+-----+-----+-----+-----+-----+-----+-----+ 1080
 TGTGTACGGTCAACACATACATTCTTGGACGGGTCTTAGTGGGATTAGGACCTT
 T C Q C V C K R T C P R N Q P L N P G K -

AATGTGCCTGTGAATGTACAGAAAGTCCACAGAAATGCTTGTAAAAGGAAAGAAGTTC
 1081 ---+-----+-----+-----+-----+-----+-----+-----+ 1140
 TTAACACGGACACTTACATGTCTTCAGGGTCTTACGAAACAATTTCCTTCTTCAGG
 C A C E C T E S P Q K C L L K G K F H -

ACCAACAAACATGGCAGCTGTTACAGACGGCCATGTCAGAACCGGCCAGAAGGCTTGTGAGC
 1141 ---+-----+-----+-----+-----+-----+-----+-----+ 1200
 TGGTGGTTGTACGTGACAATGTCTGCCGGTACATGCTTGGGGTCTTCGAAACACTCG
 H Q T C S C Y R R P C T N R Q K A C E P -

CAGGATTTCATATAGTGAAGAACGAAAGTGTGTCGTTGTCATATTGGCAAAGACAC
 1201 ---+-----+-----+-----+-----+-----+-----+-----+ 1260
 GTCCCTAAAGTATATCACTTCTCACACAGCAACACAGGAAGTATAACCGTTCTGGTG
 G F S Y S E E V C R C V P S Y W Q R P Q -

AAATGAGCTAAAGATTGTACTGTTCCAGTTCATCGATTCTTATTATGGAAAAACTGTGT

FIG. 1D

5/47

EIGHT

33/47

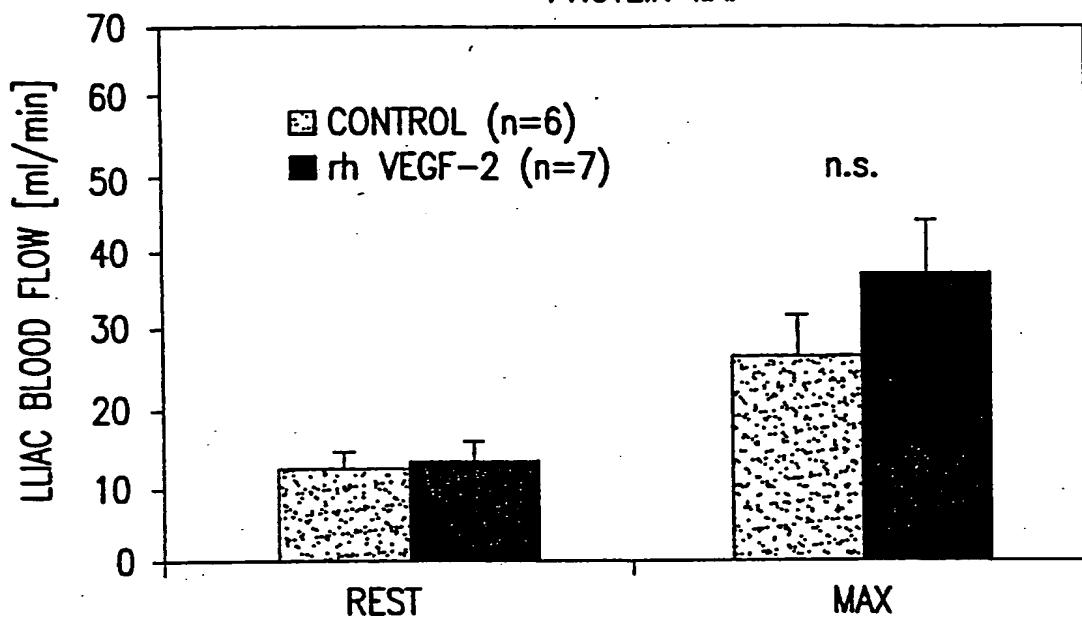
I LIAC BLOOD FLOW
-PROTEIN I.A.-

FIG.25D

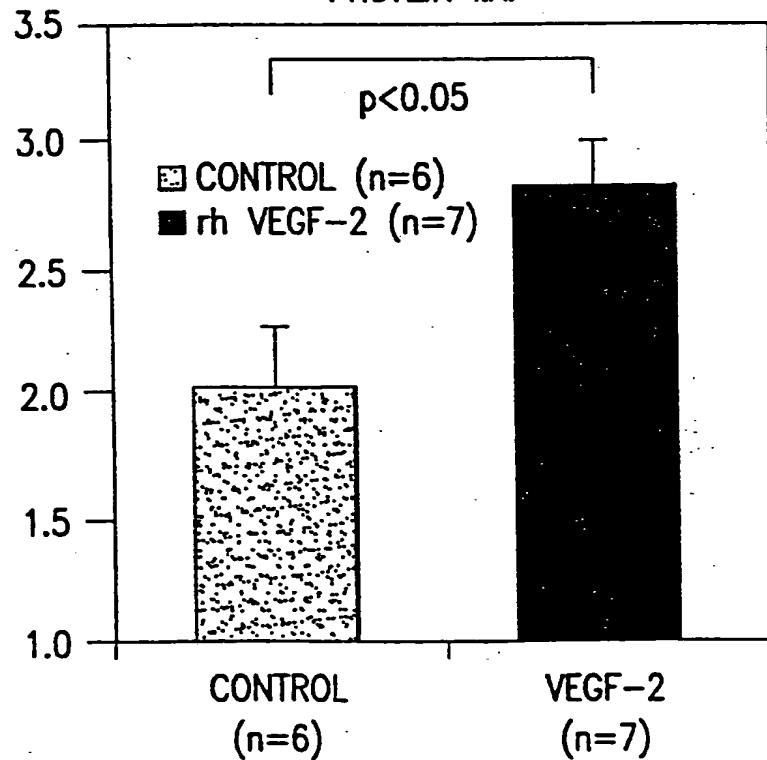
I LIAC FLOW RESERVE
-PROTEIN I.A.-

FIG.25E

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34/47

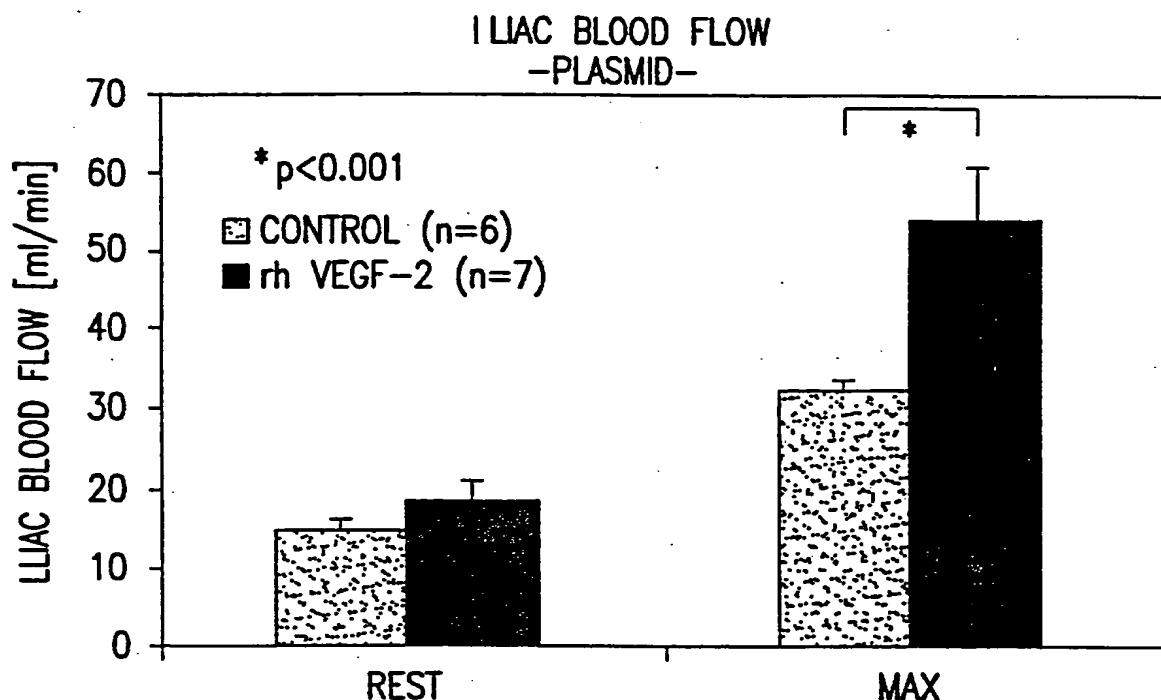


FIG.25F

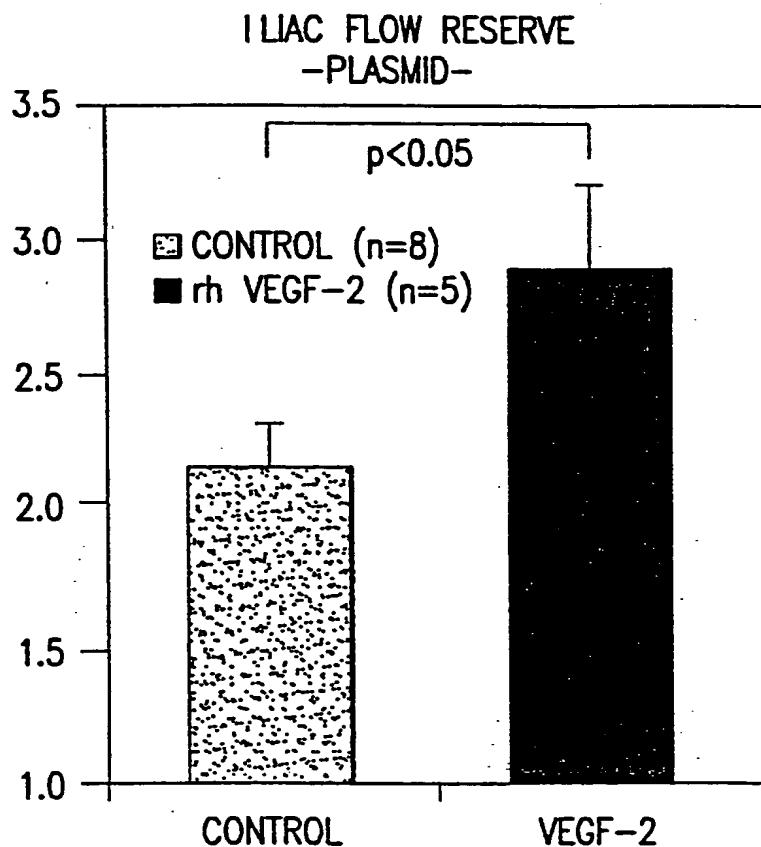


FIG.25G

35/47

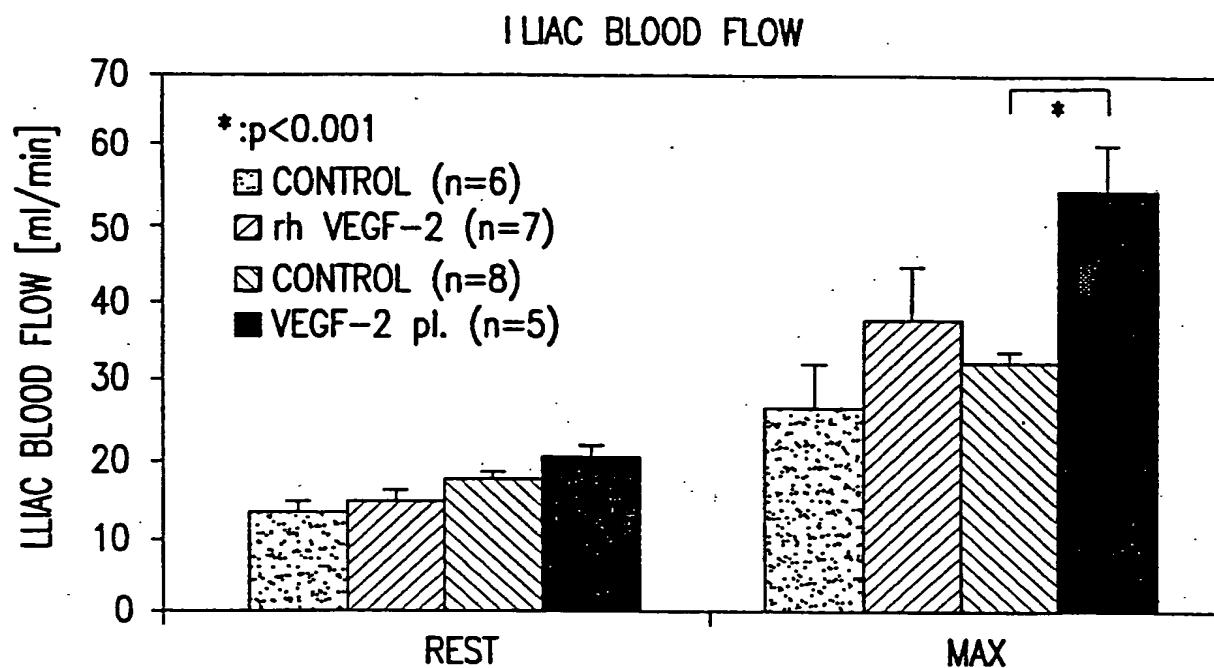
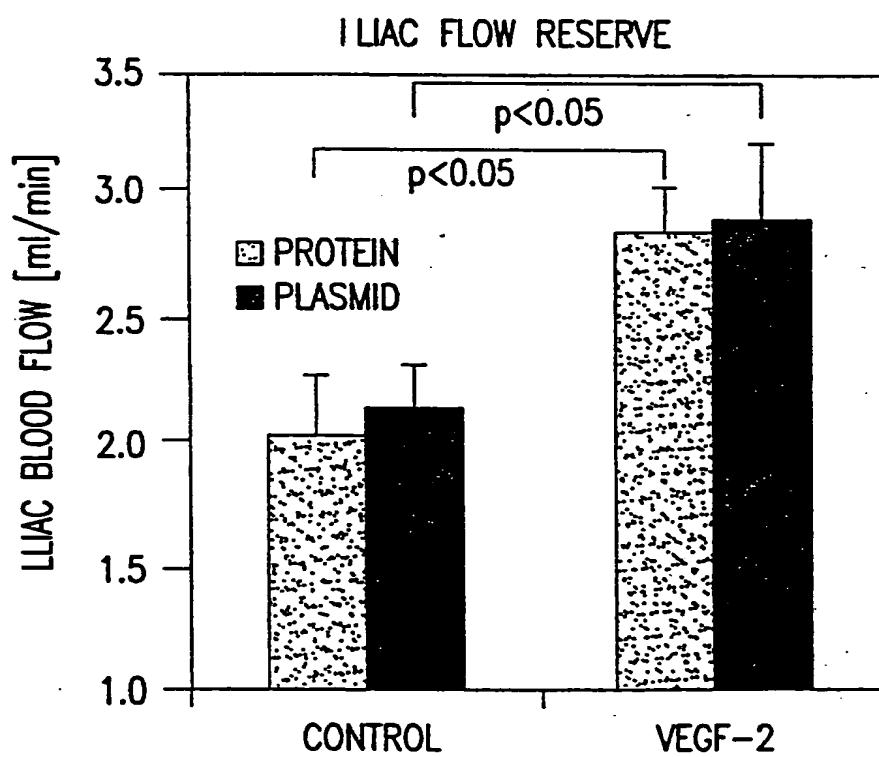


FIG.25H

FIG.25I
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